Welcome:

Thank you for purchasing this PocketCinema V50 from Aiptek. PocketCinema V50 is the latest generation of Pico Projectors with DLP technology inside. DLP offers a brighter picture which much higher contrast and a compact size. V50 combines this features with a media player and battery so that PocketCinema V50 is the best solution for mobile use.

Before you start using the product, we recommend reading this manual step by step to obtain the best results with your new Pico Projector. We wish you a lot of fun.

Best regards Your Aiptek Team

Safety Notice:

- 1. Keep the device and packaging materials out of the reach of infants and children.
- Avoid subjecting the power adapter and other contacts to dripping or splashing water and dry your hands before you use it. Do not place objects filled with liquids such as vases, etc. on or near the device.
- 3. Make sure that the used power outlet is always readily available and never hidden. In case of emergency, use the power adapter to separate the device from the power network.
- 4. Keep your device away from all flames such as candles and do not set them up in the vicinity of the device.
- 5. Keep the unit at least 10 cm away from other objects. Make sure the ventilation is not covered by newspapers, tablecloths, curtains, etc.
- 6. For your own safety, do not use the projector during thunderstorms or lightning.
- To ensure safety and the display effect, always use the power adapter supplied by the manufacturer.
- 8. The battery is integrated with the device. Do not dissemble and modify. The battery should be replaced by qualified service staff only.
- 9. To ensure normal operation of this product and avoid any damage, do not use or store this product under the following conditions: environment with too low/high temperature; places with high humidity or long-term direct sunshine; bad conditions involving strong impacts.
- 10. During the operation, this product may heat lightly, which is normal.
- 11. Wait before connecting the mains adapter if the device has been moved from a cold location into a warm one. Any condensation that has formed may in certain circumstances destroy the device. As soon as the device has reached room temperature it can be used without risk.
- 12. Handle the product with care. Avoid contact with sharp objects. Keep device away from metallic objects.
- 13. Place the projector on a flat surface. Any collision or falling to the ground is likely to damage the product.
- 14. Do not drop or disassemble the product otherwise the warranty voids. Opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 15. This product supports hot plugging of memory cards. However, it is suggested to power off the product before plugging/unplugging your memory card to protect the memory card.
- 16. Use only the accessories supplied by the manufacturer.
- 17. Both product and user's manual are subject to further improvement or supplement without further notice.
- 18. Avoid facing directly into the projector's lens.

FCC Compliance Statement:

This device complies with Part 15 of the FCC Rules. Operation is subjected to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



This equipment has been tested and found to comply with limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful

interference in residential installations. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television equipment reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Move the equipment away from the receiver.
- Plug the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for additional suggestions.

You are cautioned that any change or modifications to the equipment not expressly approved by the party responsible for compliance could void your authority to operate such equipment.







If this product is going to be end of life, please recycle it properly. It cannot be treated as municipal waste. It must be disposed of separately via the appropriate return and collection systems available.

Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)



This symbol on the battery or on its packaging indicates that the battery provided with this product shall not be treated as household waste.

On certain batteries, this symbol might be used in combination with a chemical symbol. The chemical symbols of mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.004% lead.

To ensure the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment and hand the battery over to the applicable collection point for recycling of waste batteries.

Care and Safety Information for Projectors:

Please follow all warnings, precautions and maintenance as recommended in this user's quide.

Avoid Hearing Damage:

Listening at high volume for a long period of time could cause damage to your ears.



Avoid staring/facing directly into the projector beam at all time.



Usage Notice:

Do:

- Turn off and unplug the power before cleaning the product.
- Use a soft dry cloth with mild detergent to clean the display housing.
- Unplug the power if the product is not used for a long period of time.
- Ensure that the ambient room temperature is within 0 35°C.
- Relative Humidity is 20-80%, 80% (Max.), non-condensing.
- It's normal that the projector will feel warm with continuous use due to its high performance.

Do not: (



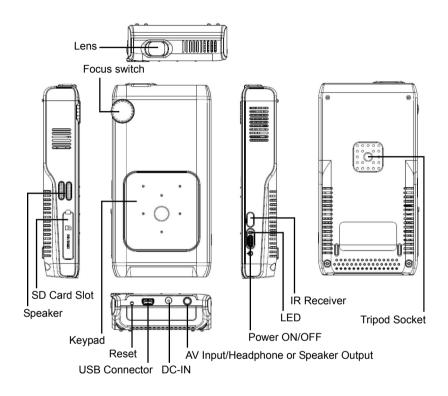
- · Block the ventilation opening.
- · Use abrasive cleaners, waxes or solvents to clean the unit.
- · Use under the following conditions:
 - ▶ In extremely hot, cold or humid environments.
 - ▶ In areas susceptible to excessive dust and dirt.
 - ▶ Near any appliance generating a strong magnetic field.
 - ▶ In direct sunlight.

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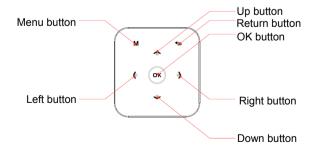
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Knowing the Device

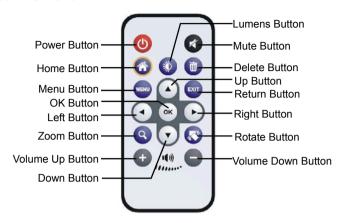
Product Overview



Keypad



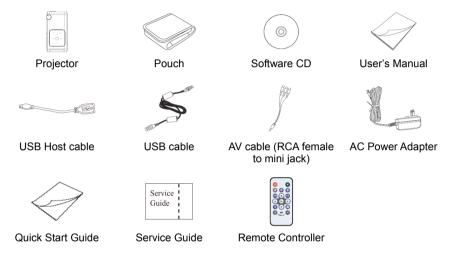
Remote Control



The Projector

Package Content

Unpack the package and check the items carefully. If any item contained in the package is damaged or missing, contact your local dealer. You should have the following items:



Getting Started

Charging the battery

The internal battery of the device may not be fully charged when you use the projector for the first time. You can charge the battery in the following two ways:

- Plug the AC power adapter into the DC-IN jack of the device, and connect the other end to the power source.
- Connect the small end of the supplied USB cable to the USB port of the device, and the large end to a powered PC. Make sure the projector is powered off.



Charging Status	Charging Time
Power OFF, charging by AC power adapter	around 3 hours
Power OFF, charging by USB connection	around 8 hours
Power ON and connect AC power adapter	no charging
Power ON and connected with USB cable	no charging

Reading LED Indicators

During charging, the LED on the device indicates the level of the internal battery:

- · Orange battery charging
- Green battery full

When using a PC to charge the battery, always turn off the projector. Otherwise, the charge will stop.

Inserting a Memory Card

Open the cover of the SD Card Slot. Close the cover of the slot. Hold the SD card by the edges and gently insert it into the slot (as shown below) until it reached the bottom of the slot.

To remove the memory card, gently push the top edge of the card inwards and it will pop up slightly, then pull the card out of the slot.

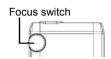


Connect a USB Dongle

Use the USB Host cable and connect the small end with the USB Connector of the Projector. Connect the USB dongle on the big end of the cable.

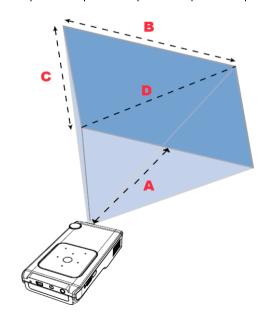
Adjusting the Focus

Adjust the focus by turning the Focus Wheel to get a sharper and clear picture.



Adjusting the projected image:

	n Distance A)		ize-Width 3)		ize-Height C)		Diagonal D)
cm	inch	cm	inch	cm	inch	cm	inch
35.0	13.8	21.9	8.6	12.3	4.8	25.1	9.9
84.8	33.4	53.0	20.9	29.8	11.7	61.0	24.0
130.8	51.5	81.7	32.2	46.0	18.1	94.0	37.0
148.5	58.5	92.8	36.5	52.2	20.5	106.7	42.0
166.2	65.4	103.8	40.9	58.4	23.0	119.4	47.0
176.8	69.6	110.4	43.5	62.1	24.5	127.0	50.0
212.1	83.5	132.5	52.2	74.5	29.3	152.4	60.0
247.5	97.4	154.6	60.9	87.0	34.2	177.8	70.0
300.0	118.1	188.2	74.1	105.8	41.7	216.4	85.2



Functions and Operations

Main menu

After turn on the projector, you will see opening screen first then main menu as below.



Item	Description		
VIDEO	This function allows users to select video file to project on screen.		
MUSIC	This function allows users to select MP3 files to play on the projector.		
РНОТО	This function allows users to select JPEG image file to project on screen.		
Presentation	This function allows users to select PPT and PDF files to play on the projector. Please note that the PPT and PDF files need to be converted using the MPtG application on your PC before playback.		
FILE	The File Navigator is a fast and convenient way of moving between tracks and files and see the complete content on your device.		
SETTING	This function allows users to set some preference settings such as Language, Keypad Sensitivity, Auto Off, etc.		
	This function allows users to select the storage devices between internal memory, SD Card, and USB connection.		
Memory	The icon on the top-right corner indicates the selected storage source:		
	: internal memory		
	: SD/SDHC/MMC card		
	: USB Dongle		

Use the **left** (\blacktriangleleft) and **right** key (\triangleright) to navigate through the main menu and choose the option you like to enter by pressing **OK**.

General Settings

On the main menu screen, select the Setting item and press the **OK** button. You will see the Setting screen as below.



- Language: This item allows users to select the displayed system language.
- **Keypad Sensitivity:** This item allows users to set the key sensitivity (available setting value is 1~5). The higher value indicates higher sensitivity.
- Auto Off: This item allows users to enable or disable the auto power off function of the system. If auto power off is off, the projector will be continuously on. It's not recommend to use this setting in battery mode.
- Default: The item allows users to restore to the factory default settings.
- Lumens: This item allows users to change the lumens mode by selecting as Eco Mode or Enhanced Mode. In Eco mode the lumens in lower but also the power consumption decrease (suggest for battery mode)
- Volume Control: This item allows users to select audio output device as for Earphone
 or for Speaker.
- Information: This item displays the system information, including the
 firmware/hardware version and available space of internal memory/SD card. It's also
 possible to performance a firmware update from here. For latest firmware please visit
 Aiptek website and follow the instructions in the update SOP provide with the firmware
 file.

To configure the setting:

- Select the item and press the **OK** button to display the available setting options of the item.
- Select the desired option and press the **OK** button. The setting will be saved automatically.
- To discard the setting, simply press the Return (←) button. You will return to the previous screen without changing the setting.

General Operation

Playing Video

 On the Main menu, select the Video item and press the **OK** button to enter the Video screen.

Do one of the following:

- Press the **OK** button to start playing the video. Press **OK** button again to pause the video
- Press the **Left/Right** (**◄/▶**) button to jump to the previous/next file.
- Press and hold the Left/Right (◄/►) button to Fast Rewind/Fast Forward.
- Press the Up/Down (▲/▼) button to increase/decrease the volume.
- 2. Press the Menu (M) button to bring up the Video settings screen.

On the Video settings screen, you can:

- Press the Left/Right (◄/►) button to move to previous/next setting menu; when selected, press the UP/Down (▲/▼) button to move to the setting item of the menu
- Press the **OK** button to confirm the setting.
- Press the Return () to back to the previous menu.
- 3. In the Video settings screen, you can set up the following options:

Setting menu	Setting item	Description	
Volume	On	Enable the sound during video playback.	
volume	Off	Disable the sound during video playback.	
	Normal	Play the video clips in order.	
Repeat	Repeat One	Repeat the selected video clip.	
Repeat	Repeat All	Repeat playing all the video clips in the folder.	
	Random	Play the video clips in the folder randomly.	
	Brightness	Set the brightness level (1 ~ 5) of projection screen.	
Color Setting	Contrast	Set the contrast level (1 ~ 5) of projection screen.	
	Saturation	Set the saturation level (1 ~ 5) of projection screen.	
	Yes	Select to confirm to delete the selected file.	
Delete	No	Select to return to the previous menu without deleting the selected file.	
Exit	Exit	Exit the Video settings screen.	

Playing Music

 On the Main menu, select the Music item and press the **OK** button to enter the Music screen.

Do one of the following:

- Press the **OK** button to start playing the music track. Press **OK** button again to pause the track.
- Press the Left/Right (◄/►) button to jump to the previous/next file.
- Press and hold the Left/Right (◄/►) button to Fast Rewind/Fast Forward.
- Press the Up/Down (▲/▼) button to increase/decrease the volume.
- 2. Press the Menu (M) button to bring up the Music settings screen.

On the Music settings screen, you can:

- Press the Left/Right (◄/►) button to move to previous/next setting menu; when selected, press the UP/Down (▲/▼) button to move to the setting item of the menu.
- Press the **OK** button to confirm the setting.
- Press the **Return** () to back to the previous menu.
- 3. In the Music settings screen, you can set up the following options:

Setting menu	Setting item	Description	
Volume	On	Enable the sound during music playback.	
volume	Off	Disable the sound during music playback.	
	Normal	Play the music files in order.	
Banast	Repeat One	Repeat the selected track.	
Repeat	Repeat All	Repeat playing all tracks in the folder.	
	Random	Play all tracks in the folder randomly.	
	Brightness	Set the brightness level (1 ~ 5) of projection screen.	
Color Setting	Contrast	Set the contrast level (1 ~ 5) of projection screen.	
	Saturation	Set the saturation level (1 ~ 5) of projection screen.	
	Yes	Select to confirm to delete the selected file.	
Delete	No	Select to return to the previous menu without deleting the selected file.	
Exit	Exit	Exit the Music settings screen.	

Playing Photo

 On the Main menu, select the Photo item and press the **OK** button to enter the Photo screen.

Do one of the following:

- Press the **OK** button to start the slideshow. Press **OK** button again to pause the slideshow.
- Press the Left/Right (◄/►) button to jump to the previous/next picture.
- Press the Up/Down (▲/▼) button to zoom in/out a picture while in still image.
- Press the Up/Down (▲/▼) button to increase/decrease the volume while in slideshow.
- 2. Press the **Menu (M)** button to bring up the Photo settings screen.

On the Photo settings screen, you can:

- Press the Left/Right (◄/►) button to move to previous/next setting menu; when selected, press the UP/Down (▲/▼) button to move to the setting item of the menu.
- Press the **OK** button to confirm the setting.
- Press the **Return** (to back to the previous menu.
- 3. In the Photo settings screen, you can set up the following options:

	1	, , , , , , , , , , , , , , , , , , ,			
Setting menu	Setting item	Description			
	Slideshow Effect	Enable or disable the transition effect while changing photos during the slideshow.			
Photo Setting	Slide Show	Enable or disable the slideshow function. If disable the selected picture will be shown after manually change by using Left/Right (◀/▶) button			
	Speed	Set the interval time of changing photos during the slideshow.			
	Music	Enable or disable the music playback during the slideshow.			
Rotate		Press to rotate the selected picture by 90° clockwise. The picture will be displayed in 0° → 90° → 180° → 270° by each pressing.			
	Brightness	Set the brightness level (1 ~ 5) of projection screen.			
Color setting	Contrast	Set the contrast level (1 ~ 5) of projection screen.			
	Saturation	Set the saturation level (1 ~ 5) of projection screen.			
	Yes	Select to confirm to delete the selected file.			
Delete	No	Select to return to the previous menu without deleting the selected file.			
Exit	Exit	Exit the Photo settings screen.			

Playing Files

- 1. On the Main menu, select the File item and press the **OK** button to enter the File screen.
- 2. Press the Menu (M) button to bring up the File settings screen.

On the File settings screen, you can:

- Press the **Left/Right** (**◄/▶)** button to move to previous/next setting menu: when selected, press the UP/Down (▲/▼) button to move to the setting item of the menu.
- Press the **OK** button to confirm the setting.
- Press the **Return** (to back to the previous menu.
- 3. In the File settings screen, you can set up the following options:

Setting menu	Setting item	Description
	Brightness	Set the brightness level (1 ~ 5) of projection screen.
Color Setting	Contrast	Set the contrast level (1 ~ 5) of projection screen.
	Saturation	Set the saturation level (1 ~ 5) of projection screen.
	Yes	Select to confirm to delete the selected file.
Delete	No	Select to return to the previous menu without deleting the selected file.
Exit	Exit	Exit the Music settings screen.

Playing Presentation

- 1. On the Main menu, select the Presentation item and press the **OK** button to enter the Presentation screen
- 2. The projector can play the converted PPT/PDF file store on internal memory, USB Dongle or SD/SDHC/MMC card.

For more information, see the Converting presentation files section.

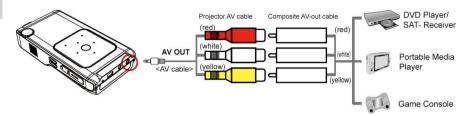
- 3. While playing the PPT file, do one of the following:
 - Press the **Left/Right** (**◄/▶**) button to move to previous/next page.
 - Press the **OK** button to start/pause presentation.
 - Press the Up/Down (▲/▼) button to go to the previous/next animation effect.
 - While playing the PDF file, do one of the following:
 - Press the **Left/Right** (**◄/▶**) button to move to previous/next page.
 - Press the **Up/Down** (**△**/**▼**) button to move page up/down.



4:3 (Width: Height) PDF file are not supported.

Playing files in other devices

You can connect the projector to your media players. Before connecting your media player to projector, you need to have the media player's dedicated composite AV-out cable and the projector's AV cable ready.



- 1. Connect the Composite AV-out cable to the media player.
- 2. Connect both AV cables (yellow to yellow, white to white and red to red).



- 1. White might be black on some media players or cables.
- 2. Please make sure that your media player is enabled with AV-out function.

USB Projection

System Requirements

Your system should have at least the following specifications to make PocketCinema V50 working smoothly on your system:

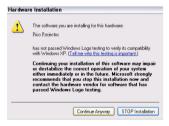
Operating System: Windows XP SP2 or higher, Windows Vista, Windows 7

CPU: Dual Core CPU or higher
RAM: 2GB DDR RAM or higher
Interface: 1x free USB 2.0 Ports
Hard Disk: 50MB free space

How to Install Driver on your PC

Before using the projector to projection, you need to install the Pico Projector driver on your Notebook/PC.

- You can find the setup program included in the Software CD and internal memory. Double click to run the Setup Wizard, and then follow the on-screen instructions to continue the installation.
- 2. The Setup Wizard will appear to select the language you prefer. Simply follow the on-screen instructions to continue the installation.
- During the driver installation, Hardware Installation dialog may pops up. Please click Continue Anyway on the Hardware Installation dialog window.





For Windows XP

For Windows Vista /7

 When the driver installation is completed, Computer Restart dialog will pops up. Please choose "Yes" to reboot your computer, and then click "Finish" to close the program.

www.aiptek.eu



5. After rebooting, Pico Projector is installed in your Notebook/PC successfully.

Start the Projection

After installation, you will find Pico Projector icon on your desktop. Click on the icon to start the projection. Then the control icon of Pico Projector will appear in the function bar next to the clock.

The Control Panels shows three functions:

1. Full Screen: The projected image has same resolution like your PC. The

picture is displayed 1:1 and shrinked to the native resolution of the Pico Projector automatically. Use this mode on powerful PC's

if you need the full resolution.

2. Compatible Mode: In compatible mode the resolution of your PC is reduced to

800x600 pixel and projects with the pico projector. The advantage is a maybe better picture quality and better

performance of your system.

3. Exit: This mode will turn off the projector and close the driver.

Please remember that every time you want to use the projector please follow the steps like below:

- 1. Use USB cable to connect the projector with your Notebook/PC.
- Open the Pico Projector application by clicking the icon on desktop.
- Choose the best mode for your projection.

Using a Netbook with Atom CPU or other single core processor may influence the performance of your system. Some ideas might help to make the projection more smoothly.

- To adjust the resolution of video under 640x480.
- 2. Select "Compatible Mode" to project.
- Use the following license free media player for video playback from http://kmplayer.en.softonic.com

In order to save power, unplug the USB cable from Notebook/PC when you finished your presentation.

Converting presentation files

Before PDF/PPT files can be playback on the projector, a converting to MPtG file is necessary.

System Requirements

CPU: Intel Pentium-M 1.5G or above

Memory: 256M or above

Operating System: Windows XP SP2 or higher, Windows Vista, Win 7

Office: Office 2003, Office 2007 PDF Reader: Adobe Reader 8, 9, 9.1

To install the converting utility

- Please connect the projector with your PC and turn on the projector. You can find the setup program included in the internal memory of the projector.
- Double click on the icon to run the Setup Wizard, and then follow the on-screen instructions to continue the installation.
- 3. When the installation is completed, the utility icon (🔊) will appear on your desktop.
- 4. Double click the icon to launch the converting utility. The control panel of the utility will appear as shown below:



To convert PPT/PDF to MPtG

- 1. On the control panel, do one of the following:
 - Click to convert PPT to MPtG.
 - Click to convert PDF to MPtG.
- 2. Select the PPT/PDF file you want to convert.
- 3. Select target destination.



- Input File: The full path of selected PPT/PDF file.
- Output Drive: The path of target storing disk.
- Output File Name: The name and full path of converted MPtG file. The system will store the converted file in the same folder (if there is not any removable disk detected) with the same name of the source file.
- 4. Click **OK** to start converting. When done, you can directly play the file on your projector!

Limitations and Settings

- MPtG supports most of animation effects of PPT that could be displayed on desktop screen, excluding:
 - The animation effect that uses timer or repeat function to playback automatically.
 - The single animation effect that is longer than 60 seconds. If there is the recycling animation effect, MPtG will record it for up to 60 second.
 - If the PPT screen stop to change for 3 seconds, the system will distinguish it as
 finished of current animation and will send "Enter" key to ask PPT for next step.
 - The embedded VBA object and OLE object.
 - To change the maximum of animation effect time, click the icon on the control panel and then select 10/20/30/60 seconds from the Maximum Animation Display Time dropdown menu.

Specifications

Item	Description
	Description
Optical Technology	DLP
Light Source	RGB LED
Aspect Ratio	16:9 (4:3 compatible)
Luminous Flux	Up to 50 Peak Lumens
	(*ANSI Lumens: 40 Lumens)
Resolution	854 x 480 Pixel (WVGA)
Projection Image Size	25cm ~ 215cm (9" ~ 85")
Projection Distance	35cm ~ 300cm (14" ~ 118")
Zoom & Focus	Manual
Contrast Ratio	2000:1
Throw Ratio (Diagonal: Distance)	1.59 (Projection Distance/Width of Image)
Offset	100%
Playback Format	Photo: JPEG, BMP
	Video: H.264: *.mov, *.avi, *.mp4, *.3gp
	MPEG-4: *.mov, *.avi, *.mp4, *.3gp
	Audio: *.mp3, *.wav, *.ogg
	Document: *.ppt, *.pdf (converting via bundled software)
Audio Speaker	Mono
Built-in Memory	128MB
Memory Slot	SD/SDHC/MMC card up to 32GB
Power Supply	Input: 220 ~ 240V AC
	Output: 5V, 3.6A DC
Battery Life	Enhanced Mode: 60min
	Eco Mode: 120min
Power Consumption	1. Power Mode: Enhanced: 11.7W, Eco: 6.2W
	2. Battery Mode: Enhanced: 11.4W, Eco: 4.8W
Weight	225g
Dimension	134 x 69 x 25 mm
Model Code	RPT2 (V50)
Humidity	20-80%, 80% (Max.), non-condensing.
Operating Temperature	0° - 35°C.

Troubleshooting

If your projector does not seem to be functioning properly, check the items below before you contact an authorized service center.

Symptom	Check Point
The projector can not	Check if the USB Cable is plugged correctly.
be turned on.	Make sure the PC has been switched to projector display.
The projected image is	Use the projector in a darker environment.
too dark.	 Increase the brightness by using the AC power adapter.
	Decrease the size of projected image.
The projected image is dim.	Adjust the focus. Please refer to "Adjusting the Focus".
	Check if the lens is dirty.
The surface temperature of projector ascended.	Because of the high-luminance LED equipped, it is normal for this projector to generate heat in long-time use. This will not affect the performance of projector. The projector case will help to dissipate heat so that its surface temperature will ascend. Always keep the ventilation slots free of dirt or obstructions and operate the projector in a properly ventilated environment.

Reset Your Device

Occasionally, you may need to reset your Micro Projector. This can be useful when a program is not performing properly.

Locate the small hole on the down of the device shown as the **RESET**.

Using the tip of paper clip, gently push the button inwards.



Reset Hole